

Occupational Projections for West Central Wisconsin, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
00-0000	Total, All Occupations	170,940	174,570	3,630	2.12%	1,820	4,420	6,240		\$30,278	\$8.81 - 17.39
11-0000	Management Occupations	6,630	6,810	180	2.71%	90	110	200		\$59,965	\$11.89 - 37.6
11-1011	Chief Executives	260	260	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$132,553	\$40.92 -
11-1021	General/Operations Mgrs	1,780	1,830	50	2.81%	20	30	50	Bachelor's or higher degree, plus work exp.	\$81,908	\$23.19 - 49.71
11-1031	Legislators	440	440	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$19,861	\$7.49 - 10.79
11-2011	Advertising/Promotions Mgrs	80	80	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$48,234	\$13.62 - 26.81
11-2021	Marketing Mgrs	110	120	10	9.09%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$78,189	\$23.71 - 45.58
11-2022	Sales Mgrs	260	270	10	3.85%	10	10	20	Bachelor's or higher degree, plus work exp.	\$70,443	\$20.93 - 42.43
11-2031	Public Relations Mgrs	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$57,308	\$21.99 - 32.58
11-3011	Admin Services Mgrs	230	230	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$55,937	\$15.14 - 35.96
11-3021	Computer/Info Systems Mgrs	200	210	10	5.00%	10	<5	10	Bachelor's or higher degree, plus work exp.	\$77,479	\$28.27 - 44.16
11-3031	Financial Mgrs	390	390	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$74,896	\$23.51 - 42.84
11-3040	Human Resources Mgrs	160	160	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$64,341	\$23.11 - 37.41
11-3051	Industrial Production Mgrs	290	300	10	3.45%	<5	10	10	Bachelor's degree	\$67,766	\$22.75 - 40.7
11-3061	Purchasing Mgrs	100	100	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$58,331	\$18.3 - 34.72
11-3071	Trans/Storage/Dist Mgrs	100	110	10	10.00%	<5	<5	<5	Work experience in a related occupation	\$58,364	\$19.09 - 34.46
11-9011	Farm/Ranch/Other Ag Mgrs	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
11-9021	Const Mgrs	140	150	10	7.14%	<5	<5	<5	Bachelor's degree	\$64,150	\$22.34 - 32.17
11-9031	Ed Administrators, Preschool & Child Care	90	90	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$33,037	\$11.56 - 17.86
11-9032	Ed Admin, Elem. & Secondary School	280	290	10	3.57%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$74,555	
11-9033	Education Administrators, Postsecondary	220	220	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp.	\$62,984	\$21.53 - 37.16
11-9039	Education Administrators, All Other	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
11-9041	Engineering Mgrs	210	220	10	4.76%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$97,380	\$31.83 - 58.16
11-9051	Food Service Mgrs	300	310	10	3.33%	<5	10	10	Work experience in a related occupation	\$34,911	\$11.36 - 21.11
11-9061	Funeral Directors	40	40	0	0.00%	<5	<5	<5	Associate degree	\$48,818	\$19.65 - 22.45
11-9071	Gaming Mgrs	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
11-9081	Lodging Mgrs	60	60	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$32,361	\$10.4 - 19.87
11-9111	Medical/Health Services Mgrs	280	290	10	3.57%	10	10	20	Bachelor's or higher degree, plus work exp.	\$59,363	\$21.89 - 34.14
11-9121	Natural Sciences Mgrs	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$68,877	\$25.77 - 41.35
11-9131	Postmasters/Mail Superintendents	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$52,066	\$22.41 - 27.11
11-9141	Prop/RE/Community Assoc Mgrs	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,605	\$12.44 - 30.61
11-9151	Social/Community Service Mgrs	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,584	\$14.5 - 24.95
11-9199	Mgrs All Other	270	280	10	3.70%	<5	10	10	Work experience in a related occupation	\$80,074	\$27.66 - 47.66
13-0000	Business/Financial Operations Occupations	4,670	4,840	170	3.64%	80	80	160		\$44,518	\$15.04 - 26.27
13-1011	Agents/Bus Mgrs Artsts/Prfrmr/Ath	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
13-1021	Purch Agents/Buyers Farm Prod	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$47,542	\$17.02 - 27.43
13-1022	Whole/Retail Buyers Ex Farm Prod	150	150	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,897	\$14.01 - 22.85
13-1023	Purch Agents Ex Whole/Retail/Farm	360	370	10	2.78%	10	10	20	Bachelor's degree	\$44,879	\$15.93 - 25.53

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13-1031	Claims Adjust/Exam/Investigators	230	240	10	4.35%	10	<5	10	Long-term on-the-job training	\$39,401	\$13.67 - 22.38
13-1032	Insurance Appraisers Auto Damage	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
13-1041	Compl Offcrs Ex Ag/Cnst/Hlth/Sfty/Tr	130	130	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$43,011	\$14.47 - 26.3
13-1051	Cost Estimators	270	280	10	3.70%	<5	10	10	Bachelor's degree	\$42,367	\$16.07 - 24.36
13-1061	Emergency Mgmt Specialists	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$37,407	\$11.64 - 22.2
13-1071	Empl/Recruit/Placement Specialists	190	190	0	0.00%	<5	<5	<5	Bachelor's degree	\$37,384	\$13.1 - 20.6
13-1072	Compen/Benefits/Job Specialists	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,295	\$15.74 - 22.55
13-1073	Training/Development Specialists	180	190	10	5.56%	<5	<5	<5	Bachelor's degree	\$43,057	\$13.29 - 27.07
13-1111	Management Analysts	220	220	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$54,929	\$19.12 - 32.4
13-1121	Meeting/Convention Planners	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$35,285	\$11.69 - 19.96
13-1199	Business Oper Specialists/All Other	920	950	30	3.26%	20	10	30	Bachelor's degree	\$41,332	\$12.45 - 26.71
13-2011	Accountants/Auditors	970	1,000	30	3.09%	20	20	40	Bachelor's degree	\$49,751	\$18.33 - 27.43
13-2021	Appraisers/Assessors Real Estate	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$34,134	\$6.72 - 24.83
13-2031	Budget Analysts	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,054	\$17.98 - 28.42
13-2041	Credit Analysts	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$51,927	\$18.39 - 28.83
13-2051	Financial Analysts	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$59,400	\$17.23 - 34.79
13-2052	Personal Financial Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
13-2053	Insurance Underwriters	100	110	10	10.00%	<5	<5	<5	Bachelor's degree	\$33,918	\$10.67 - 20.11
13-2061	Financial Examiners	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$61,167	\$19.34 - 39.57
13-2071	Loan Counselors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
13-2072	Loan Officers	310	320	10	3.23%	10	10	20	Bachelor's degree	\$44,917	\$15.6 - 26.14
13-2081	Tax Exam/Collctr/Revenue Agents	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
13-2082	Tax Preparers	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,670	\$12.16 - 19.37
13-2099	Financial Specialists/All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
15-0000	Computer & Mathematical Occupations	1,970	2,060	90	4.57%	40	20	60		\$54,432	\$17.7 - 31.71
15-1011	Computer/Info Scientists/Research	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$70,929	\$19.79 - 47.38
15-1021	Computer Programmers	270	270	0	0.00%	<5	10	10	Bachelor's degree	\$49,987	\$19.06 - 27.23
15-1031	Computer Software Engnrs Apps	170	180	10	5.88%	<5	<5	<5	Bachelor's degree	\$67,101	\$24.02 - 40.6
15-1032	Computer Soft Engnrs Systms Soft	70	80	10	14.29%	<5	<5	<5	Bachelor's degree	\$69,030	\$25.68 - 37.25
15-1041	Computer Support Specialists	400	400	0	0.00%	<5	<5	<5	Associate degree	\$35,541	\$14.16 - 19.92
15-1051	Computer Systems Analysts	470	490	20	4.26%	10	10	20	Bachelor's degree	\$66,251	\$21.13 - 40.81
15-1061	Database Administrators	70	80	10	14.29%	<5	<5	<5	Bachelor's degree	\$51,211	\$14.72 - 29.98
15-1071	Network/Computer Systems Admin	220	230	10	4.55%	10	<5	10	Bachelor's degree	\$49,715	\$17.66 - 28.88
15-1081	Network Systms/Data Comm Analysts	110	120	10	9.09%	10	<5	10	Bachelor's degree	\$48,119	\$18.67 - 27.48
15-1099	Computer Specialists/All Other	130	140	10	7.69%	<5	<5	<5	Associate degree	\$48,949	\$16.43 - 29.35
15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
15-2021	Mathematicians	*	*	*	*	<5	<5	<5	Master's degree	*	*
15-2031	Operations Research Analysts	*	*	*	*	<5	<5	<5	Master's degree	*	*

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15-2041	Statisticians	*	*	*	*	<5	<5	<5	Master's degree	*	*
17-0000	Architecture/Engineering Occupations	2,800	2,830	30	1.07%	20	60	80		\$56,794	\$18.39 - 32.55
17-1011	Architects/Ex Landscape/Naval	70	80	10	14.29%	<5	<5	<5	Bachelor's degree	\$52,857	\$20.56 - 30.42
17-1012	Landscape Architects	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$71,076	\$22.47 - 45.48
17-1021	Cartographers/Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-1022	Surveyors	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,480	\$15.32 - 22.32
17-2031	Biomedical Engineers	10	10	0	0.00%	<5	<5	<5	Bachelor's degree	\$73,539	\$29.7 - 39.28
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2051	Civil Engineers	180	180	0	0.00%	<5	<5	<5	Bachelor's degree	\$51,197	\$20.62 - 27.31
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2071	Electrical Engineers	220	220	0	0.00%	<5	<5	<5	Bachelor's degree	\$75,952	\$27.12 - 43.3
17-2072	Electronics Engineers/Ex Computer	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$58,162	\$23.49 - 33.17
17-2081	Environmental Engineers	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$65,529	\$22.27 - 35.45
17-2111	Health/Safety Engineers/Ex Mining	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$62,745	\$24.96 - 35.99
17-2112	Industrial Engineers	270	270	0	0.00%	<5	10	10	Bachelor's degree	\$62,209	\$24.55 - 34.64
17-2131	Materials Engineers	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$56,510	\$23.18 - 32.31
17-2141	Mechanical Engineers	400	400	0	0.00%	<5	10	10	Bachelor's degree	\$78,603	\$21.35 - 36.26
17-2151	Mining/Geological Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
17-2199	Engineers/All Other*	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$66,078	\$28.25 - 38.15
17-3011	Architectural/Civil Drafters	110	110	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$39,228	\$15.27 - 20.89
17-3012	Electrical/Electronics Drafters	60	50	-10	-16.67%	<5	<5	<5	Postsecondary vocational training	\$40,992	\$14.77 - 21.16
17-3013	Mechanical Drafters	210	210	0	0.00%	<5	10	10	Postsecondary vocational training	\$35,962	\$13.99 - 20.34
17-3021	Aerospace Engrng/Opers Techs	*	*	*	*	<5	<5	<5	Associate degree	*	*
17-3022	Civil Engineering Techs	100	100	0	0.00%	<5	<5	<5	Associate degree	\$38,928	\$15.2 - 21.95
17-3023	Electrical/Electronic Engrng Techs	260	260	0	0.00%	<5	10	10	Associate degree	\$40,763	\$15.83 - 22.71
17-3024	Electro-Mechanical Techs	50	50	0	0.00%	<5	<5	<5	Associate degree	\$46,875	\$18.32 - 26.42
17-3025	Environmental Engineering Techs	*	*	*	*	<5	<5	<5	Associate degree	*	*
17-3026	Industrial Engineering Techs	80	80	0	0.00%	<5	<5	<5	Associate degree	\$41,154	\$16.28 - 22.75
17-3027	Mechanical Engineering Techs	90	100	10	11.11%	<5	<5	<5	Associate degree	\$56,042	\$25.48 - 32.01
17-3031	Surveying/Mapping Techs	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,972	\$13.58 - 18.25
17-3099 ⁽⁷⁾	Drafters/Engrng/Map Techs AO	70	70	0	0.00%	<5	<5	<5	Associate degree	\$40,856	\$16.99 - 21.66
19-0000	Life, Physical, and Social Science Occs	1,430	1,460	30	2.10%	20	30	50		\$43,213	\$12.5 - 25.86
19-1010	Ag/Food Scientists	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$35,500	\$11.4 - 21.07
19-1021	Biochemists/Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1022	Microbiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1023	Zoologists/Wildlife Biologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1031	Conservation Scientists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$49,967	\$19.57 - 29.31

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19-1032	Foresters	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$37,178	\$15.4 - 20.64
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-1042	Med Scientists Ex Epidemiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-1099	Life Scientists/All Other	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$29,603	\$8.45 - 19.62
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
19-2031	Chemists	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$48,693	\$16.71 - 27.82
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
19-2041	Environ Sci/Specialists/Incl Health	60	60	0	0.00%	<5	<5	<5	Master's degree	\$41,009	\$17.64 - 22.33
19-2042	Geoscien Ex Hydrolog/Geograph	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-2043	Hydrologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-2099	Physical Scientists/All Other	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$87,151	\$25.28 - 62.6
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3021	Market Research Analysts	160	170	10	6.25%	10	<5	10	Master's degree	\$61,874	\$17.12 - 38.95
19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3031	Clinical/Counseling/School Psych	180	180	0	0.00%	<5	<5	<5	Doctoral degree	\$50,546	\$19.21 - 30.98
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3051	Urban/Regional Planners	40	40	0	0.00%	<5	<5	<5	Master's degree	\$48,891	\$18.15 - 28.64
19-3091	Anthropologists/Archeologists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3092	Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree	*	*
19-3099	Social Scientists/Related Wrkrs AO	100	100	0	0.00%	<5	<5	<5	Master's degree	\$24,886	\$8.14 - 9.39
19-4011	Ag/Food Science Techs	50	60	10	20.00%	<5	<5	<5	Associate degree	\$29,175	\$12.28 - 15.9
19-4021	Biological Techs	50	50	0	0.00%	<5	<5	<5	Associate degree	\$29,372	\$10.34 - 17.23
19-4031	Chemical Techs	60	60	0	0.00%	<5	<5	<5	Associate degree	\$38,688	\$14.86 - 19.77
19-4091	Envir Sci/Protect Techs Incl Health	20	30	10	50.00%	<5	<5	<5	Associate degree	\$38,297	\$15.52 - 21.08
19-4093	Forest/Conservation Techs	20	20	0	0.00%	<5	<5	<5	Associate degree	\$31,205	\$12.09 - 17.11
19-4099	Life, Physical, & Social Science Tech, AO	120	120	0	0.00%	<5	<5	<5	Associate degree	\$23,258	\$9.43 - 11.79
21-0000	Community/Social Services Occupations	2,770	2,830	60	2.17%	30	50	80		\$36,187	\$13.19 - 20.94
21-1011	Sub Abuse/Behavior Disordr Cnslrs	70	70	0	0.00%	<5	<5	<5	Master's degree	\$40,859	\$18.07 - 21.32
21-1012	Ed+B585/Vocational/School Counselors	250	250	0	0.00%	<5	10	10	Master's degree	\$42,704	\$16.13 - 25.23
21-1013	Marriage/Family Therapists	30	30	0	0.00%	<5	<5	<5	Master's degree	\$38,058	\$14.35 - 21.15
21-1014	Mental Health Counselors	60	60	0	0.00%	<5	<5	<5	Master's degree	\$36,990	\$13.2 - 21.87
21-1015	Rehabilitation Counselors	190	210	20	10.53%	10	<5	10	Master's degree	\$33,366	\$13.15 - 17.71
21-1021	Child/Family/School Social Wrkrs	390	390	0	0.00%	<5	10	10	Master's degree	\$35,743	\$14.01 - 20.38
21-1022	Medical/Public Health Social Wrkrs	150	150	0	0.00%	<5	<5	<5	Master's degree	\$41,001	\$17.15 - 21.95

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21-1023	Mental Hlth/Sub Abuse Social Wrks	100	100	0	0.00%	<5	<5	<5	Master's degree	\$44,862	\$17.32 - 24.38
21-1091	Health Educators	30	40	10	33.33%	<5	<5	<5	Master's degree	\$39,007	\$14.07 - 21.43
21-1092	Prob Offcrs/Correctnl Treat Splsts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
21-1093	Social/Human Service Assts	490	520	30	6.12%	10	10	20	Moderate-term on-the-job training	\$24,708	\$9.52 - 13.64
21-2011	Clergy	500	490	-10	-2.00%	<5	10	10	Master's degree	\$30,353	\$9.79 - 19.27
21-2021	Directors/Religious Activities/Ed	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
21-9099 ⁽⁷⁾	Counsel/Social/Religious Wrks AO	270	280	10	3.70%	<5	10	10	Bachelor's degree	\$36,899	\$14.64 - 21.52
23-0000	Legal Occupations	670	680	10	1.49%	10	10	20		\$65,375	\$15.36 - 49.06
23-1011	Lawyers	390	400	10	2.56%	<5	10	10	First professional degree	\$90,107	\$30.5 - 54.71
23-1021	Admin Law Jdgs/Adjudic/Hrng Offer	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
23-1022	Arbitrators/Mediators/Conciliators	10	10	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$28,174	\$6.28 - 19.62
23-1023	Jdgs/Magistrate Jdgs/Magistrates	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
23-2011	Paralegals/Legal Assts	130	130	0	0.00%	<5	<5	<5	Associate degree	\$33,689	\$12.92 - 17.41
23-2091	Court Reporters	10	10	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$50,940	\$19.16 - 31.9
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
23-2093	Title Exam/Abstractors/Searchers	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,144	\$8.83 - 14.47
23-9099 ⁽⁷⁾	Legal/Rel Wrks/All Other	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,080	\$16.22 - 24.7
25-0000	Ed, Training, & Library Occupations	10,870	11,080	210	1.93%	100	210	310		\$38,406	\$12.63 - 23.9
25-1011	Business Teachers/Postsec	110	110	0	0.00%	<5	<5	<5	Doctoral degree	\$59,899	
25-1021	Computer Science Teachers Ps	40	40	0	0.00%	<5	<5	<5	Doctoral degree	\$58,825	
25-1022	Mathematical Science Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1031	Architecture Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1032	Engineering Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1041	Ag Sciences Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1042	Biological Science Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1043	Forestry/Cons Sci Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1051	Atmos/Erth/Marin/Space Sci Tch Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1052	Chemistry Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1053	Environmental Sci TeachersPs	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1054	Physics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1061	Anthropology/Archeology Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1062	Area/Ethnic/Cultur Studies Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1063	Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1064	Geography Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1065	Political Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1066	Psychology Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1067	Sociology Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1071	Health Specialties Teachers Ps	*	*	*	*	10	10	20	Master's degree	*	*

Occupational Projections for West Central Wisconsin, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
25-1072	Nursing Instructors/Teachers Ps	60	60	0	0.00%	<5	<5	<5	Doctoral degree	\$54,393	
25-1081	Ed Teachers/Postsec	80	90	10	12.50%	<5	<5	<5	Doctoral degree	\$51,454	
25-1082	Library Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1111	Crim Jus/Law Enforce Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1112	Law Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1113	Social Work Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1121	Art/Drama/Music Teachers/Postsec	*	*	*	*	<5	<5	<5	Master's degree	*	*
25-1122	Communications Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1123	English Language/Lit Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1124	Foreign Language/Lit Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1125	History Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1126	Philosophy/Religion Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1191	Graduate Teaching Assts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
25-1192	Home Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-1193	Rec/Fitness Studies Teachers/Ps	*	*	*	*	<5	<5	<5	Master's degree	*	*
25-1194	Vocational Ed Teachers/Postsec	270	290	20	7.41%	10	10	20	Work experience in a related occupation	\$60,007	\$24.62 - 34.13
25-1199	Postsec Teachers/All Other	*	*	*	*	<5	<5	<5	Doctoral degree	*	*
25-2011	Preschool Teachers/Ex Special Ed	500	520	20	4.00%	10	10	20	Bachelor's degree	\$18,616	\$7.17 - 9.58
25-2012	Kindergarten Tchrs Ex Special Ed	240	250	10	4.17%	<5	<5	<5	Bachelor's degree	\$39,284	
25-2021	Elemen Schl Tchrs Ex Special Ed	1,860	1,860	0	0.00%	<5	40	40	Bachelor's degree	\$41,498	
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	1,120	1,120	0	0.00%	<5	20	20	Bachelor's degree	\$41,159	
25-2023	Vocational Ed Tchrs/Middle School	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,734	
25-2031	Secondary Schl Tchrs Ex Sp./Voc Ed	1,560	1,580	20	1.28%	10	40	50	Bachelor's degree	\$40,149	
25-2032	Voc Ed Teachers/Secondary Schl	150	150	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,128	
25-2041	Sp Ed Tchrs/Presch/Kind/Elem Schl	260	270	10	3.85%	<5	10	10	Bachelor's degree	\$39,335	
25-2042	Special Ed Teachers/Middle School	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,784	
25-2043	Special Ed Teachers/Sec Schl	160	160	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,227	
25-3011	Adult Liter/Rem Ed/GED Tchrs/Inst	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,426	\$13.33 - 22.7
25-3021	Self-Enrichment Ed Teachers	210	220	10	4.76%	10	<5	10	Work experience in a related occupation	\$27,089	\$10.95 - 13.42
25-3999 ⁽⁷⁾	Tchrs/Prim/Sec/Adult/All Other	490	510	20	4.08%	10	10	20	Bachelor's degree	\$26,404	
25-4010	Archivists/Curators/Museum Techs	*	*	*	*	<5	<5	<5	Master's degree	*	*
25-4021	Librarians	230	230	0	0.00%	<5	10	10	Master's degree	\$42,650	\$16.35 - 25.31
25-4031	Library Techs	180	180	0	0.00%	<5	10	10	Short-term on-the-job training	\$21,418	\$7.82 - 12.55
25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
25-9021	Farm/Home Management Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
25-9031	Instructional Coordinators	90	90	0	0.00%	<5	<5	<5	Master's degree	\$51,524	\$17.21 - 31.04
25-9041	Teacher Assts	1,550	1,580	30	1.94%	10	30	40	Associate degree	\$22,979	
25-9199 ⁽⁷⁾	Libr/Mus/Trng/Other Ed Wrks/AO	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*

Occupational Projections for West Central Wisconsin, 2003-2005

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		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
27-0000	Arts/Design/Entertainment/Sports/Media	1,890	1,940	50	2.65%	20	30	50		\$30,816	\$8.95 - 17.72
27-1011	Art Directors	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
27-1013	Fine Artists/Incl Pntrs/Sculptrs/Ilstrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-1014	Multi-Media Artists/Animators	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-1021	Commercial/Industrial Designers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,516	\$10.48 - 24.4
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-1023	Floral Designers	100	110	10	10.00%	<5	<5	<5	Moderate-term on-the-job training	\$19,277	\$7.63 - 10.76
27-1024	Graphic Designers	150	160	10	6.67%	<5	<5	<5	Bachelor's degree	\$32,701	\$10.19 - 18.51
27-1025	Interior Designers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$32,945	\$10.12 - 19.44
27-1026	Merch Display/Window Trimmers	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$20,036	\$7.77 - 10.85
27-1027	Set/Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-1099 ⁽⁷⁾	Art/Design Wrkrs/All Other	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$29,093	\$11.59 - 15.74
27-2011	Actors	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$27,906	
27-2012	Producers/Directors	40	40	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$42,352	
27-2021	Athletes/Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2022	Coaches/Scouts	250	250	0	0.00%	<5	10	10	Long-term on-the-job training	\$32,586	
27-2023	Umpires/Refs/Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
27-2041	Music Directors/Composers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp.	*	*
27-2042	Musicians/Singers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-2099	Entnrns/Perfrmsr/Sports/Rel Wrk/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
27-3010	Announcers	90	90	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$22,557	\$7.79 - 14.99
27-3020	News Analysts/Reprtrs/Correspond	90	90	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp.	\$21,683	\$8.78 - 11.56
27-3031	Public Relations Specialists	200	200	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,005	\$12.4 - 21.35
27-3041	Editors	110	120	10	9.09%	<5	<5	<5	Bachelor's degree	\$39,724	\$13.59 - 22.03
27-3042	Technical Writers	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$58,400	\$18.87 - 37.32
27-3043	Writers/Authors	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,707	\$10.32 - 25.43
27-3091	Interpreters/Translators	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$28,009	\$10.71 - 16.4
27-3099	Media/Communication Wrkrs/AO	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$45,094	\$13.98 - 26.39
27-4011	Audio/Video Equipment Techs	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$39,022	\$11.67 - 27.07
27-4012	Broadcast Techs	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$26,721	\$7.41 - 17.55
27-4014	Sound Engineering Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
27-4021	Photographers	60	70	10	16.67%	<5	<5	<5	Bachelor's degree	\$23,783	\$9.41 - 12.61
27-4031	Camera Oprs/TV/Video/Motion Pict	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
27-4032	Film/Video Editors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
27-4099	Media/Comm Equipmnt Wrkrs/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
29-0000	Healthcare Practitioners & Technical Occs	8,180	8,490	310	3.79%	160	140	300		\$46,390	\$14.17 - 25.34

Occupational Projections for West Central Wisconsin, 2003-2005

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29-1011	Chiropractors	50	50	0	0.00%	<5	<5	<5	First professional degree	\$90,100	\$27.78 - 51.87
29-1020	Dentists	170	170	0	0.00%	<5	<5	<5	First professional degree	\$121,969	\$16.32 -
29-1031	Dietitians/Nutritionists	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$43,522	\$17.96 - 24.45
29-1041	Optometrists	20	20	0	0.00%	<5	<5	<5	First professional degree	\$80,922	\$31.7 - 44.58
29-1051	Pharmacists	230	240	10	4.35%	10	<5	10	First professional degree	\$74,288	\$31 - 42.74
29-1061	Anesthesiologists	20	20	0	0.00%	<5	<5	<5	First professional degree	\$134,009	\$60.34 - 69.17
29-1062	Family and General Practitioners	120	120	0	0.00%	<5	<5	<5	First professional degree	\$155,213	\$59.91 -
29-1063	Internists, General	140	140	0	0.00%	<5	<5	<5	First professional degree	\$171,981	\$57.42 -
29-1064	Obstetricians and Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1066	Psychiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1067	Surgeons	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1069	Physicians and Surgeons, All Other	130	130	0	0.00%	<5	<5	<5	First professional degree	\$195,790	
29-1071	Physician Assts	60	70	10	16.67%	<5	<5	<5	Bachelor's degree	\$77,069	\$31.81 - 43.48
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-1111	Registered Nurses	3,070	3,190	120	3.91%	60	60	120	Bachelor's degree ⁽⁹⁾	\$47,381	\$19.16 - 25.69
29-1121	Audiologists	30	30	0	0.00%	<5	<5	<5	Master's degree	\$44,522	\$14.77 - 26.15
29-1122	Occupational Therapists	180	190	10	5.56%	10	<5	10	Bachelor's degree	\$47,659	\$20.01 - 26.29
29-1123	Physical Therapists	210	220	10	4.76%	10	<5	10	Master's degree	\$56,676	\$22.99 - 31.99
29-1124	Radiation Therapists	30	30	0	0.00%	<5	<5	<5	Associate degree	\$48,615	\$20.23 - 26.63
29-1125	Recreational Therapists	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$27,168	\$9.57 - 15.74
29-1126	Respiratory Therapists	90	100	10	11.11%	<5	<5	<5	Associate degree	\$40,926	\$17.73 - 21.72
29-1127	Speech-Language Pathologists	150	160	10	6.67%	<5	<5	<5	Master's degree	\$45,778	\$18.79 - 25.98
29-1131	Veterinarians	90	90	0	0.00%	<5	<5	<5	First professional degree	\$67,385	\$20.62 - 33.59
29-1199	Hlth Diagnsg/Treatng Practtnrs/AO	*	*	*	*	<5	<5	<5	First professional degree	*	*
29-2011	Medical/Clinical Lab Technologists	180	190	10	5.56%	<5	10	10	Bachelor's degree	\$46,854	\$20.16 - 25.79
29-2012	Medical/Clinical Lab Techs	130	130	0	0.00%	<5	<5	<5	Associate degree	\$32,951	\$13.64 - 17.16
29-2021	Dental Hygienists	240	250	10	4.17%	10	<5	10	Associate degree	\$49,710	\$22.23 - 27.29
29-2031	Cardiovascular Technlgst/Techncns	40	40	0	0.00%	<5	<5	<5	Associate degree	\$33,976	\$11.69 - 20.86
29-2032	Diagnostic Medical Sonographers	50	50	0	0.00%	<5	<5	<5	Associate degree	\$54,775	\$21.39 - 28.85
29-2033	Nuclear Medicine Technologists	20	20	0	0.00%	<5	<5	<5	Associate degree	\$43,728	\$13.83 - 27.24
29-2034	Radiologic Technologists/Techs	230	240	10	4.35%	<5	<5	<5	Associate degree	\$37,548	\$15.35 - 20.87
29-2041	Emergency Med Techs/Paramedics	380	390	10	2.63%	10	<5	10	Postsecondary vocational training	\$16,909	\$6.16 - 9.81
29-2051	Dietetic Techs	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$20,320	\$7.65 - 11.54
29-2052	Pharmacy Techs	220	230	10	4.55%	10	<5	10	Moderate-term on-the-job training	\$21,644	\$8.81 - 11.5
29-2053	Psychiatric Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
29-2054	Respiratory Therapy Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
29-2055	Surgical Technologists	110	110	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$32,257	\$12.97 - 17.98

Occupational Projections for West Central Wisconsin, 2003-2005

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29-2056	Veterinary Technologists/Techs	80	80	0	0.00%	<5	<5	<5	Associate degree	\$22,222	\$9.27 - 12.26
29-2061	Licensed Pract/Vocational Nurses	820	840	20	2.44%	10	20	30	Postsecondary vocational training	\$31,928	\$13.68 - 16.9
29-2071	Medical Records/Health Info Techs	230	240	10	4.35%	10	<5	10	Associate degree	\$25,270	\$9.6 - 14.7
29-2081	Opticians/Dispensing	120	120	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$24,590	\$10.37 - 13.08
29-2091	Orthotists/Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
29-9010	Occ Health/Safety Spec/Techs	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$34,883	\$6.83 - 22.18
29-9091	Athletic Trainers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
29-9199 ⁽⁷⁾	Health Prof/Techs, All Other (OES Only)	150	150	0	0.00%	<5	<5	<5	Associate degree	\$34,653	\$13.49 - 19.95
31-0000	Healthcare Support Occupations	5,870	6,140	270	4.60%	140	80	220		\$22,005	\$9.02 - 11.95
31-1011	Home Health Aides	1,000	1,080	80	8.00%	40	10	50	Short-term on-the-job training	\$19,847	\$8.54 - 10.54
31-1012	Nursing Aides/Orderlies/Attendants	3,170	3,260	90	2.84%	50	40	90	Short-term on-the-job training	\$21,243	\$8.84 - 11.37
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
31-2011	Occupational Therapist Assts	40	40	0	0.00%	<5	<5	<5	Associate degree	\$30,500	\$12.8 - 16.95
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
31-2021	Physical Therapist Assts	90	90	0	0.00%	<5	<5	<5	Associate degree	\$32,244	\$13.9 - 17.06
31-2022	Physical Therapist Aides	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$21,850	\$9 - 11.88
31-9011	Massage Therapists	60	60	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$36,645	\$12.14 - 23.2
31-9091	Dental Assts	380	400	20	5.26%	10	10	20	Moderate-term on-the-job training	\$23,059	\$9.66 - 12.68
31-9092	Medical Assts	350	380	30	8.57%	20	10	30	Moderate-term on-the-job training	\$24,607	\$10.13 - 13.3
31-9093	Medical Equipment Preparers	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$24,688	\$9.92 - 13.56
31-9094	Medical Transcriptionists	230	240	10	4.35%	<5	<5	<5	Postsecondary vocational training	\$27,721	\$11.73 - 15.41
31-9095	Pharmacy Aides	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$21,336	\$8.84 - 11.5
31-9096	Vet Assts/Lab Animal Caretakers	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,595	\$7.47 - 9.55
31-9099	Healthcare Support Wrksr/All Other	280	290	10	3.57%	10	10	20	Short-term on-the-job training	\$23,006	\$9.47 - 12.51
33-0000	Protective Service Occupations	3,150	3,190	40	1.27%	20	100	120		\$29,175	\$9.5 - 17.99
33-1011	First-Line Sup/Mgr of Corr Offcrs	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$49,206	\$21.04 - 26.38
33-1012	First-Line Sup/Mgr of Police/Detect	110	110	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$53,984	\$22.57 - 28.97
33-1021	F-L Sup/Mgr Fire Fght/Prevent Wrk	90	90	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$36,141	\$10.92 - 21.02
33-1099	F-L Sups/Mgrs/Protect Srvc Wrk/AO	30	30	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$39,213	\$12.29 - 24.92
33-2011	Fire Fighters	560	570	10	1.79%	10	20	30	Long-term on-the-job training	\$22,013	\$9.37 - 10.97
33-2020 ⁽⁸⁾	Fire Inspectors	20	20	0	0.00%	<5	<5	<5		*	*
33-2021 ⁽⁸⁾	Fire Inspectors and Investigators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work experience in a related occupation	*	*
33-2022 ⁽⁸⁾	Forest Fire Inspectors & Prev. Specialists	(8)	(8)	(8)	(8)	(8)	(8)	(8)		*	*
33-3011	Bailiffs	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,373	\$11.52 - 20.85
33-3012	Correctional Officers/Jailers	410	410	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$31,528	\$13.45 - 16.8
33-3021	Detectives/Criminal Investigators	120	120	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$48,475	\$20.5 - 26
33-3031	Fish/Game Wardens	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
33-3041	Parking Enforcement Wrksr	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*

Occupational Projections for West Central Wisconsin, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
33-3051	Police/Sheriff's Patrol Officers	900	910	10	1.11%	10	20	30	Long-term on-the-job training	\$38,829	\$15.48 - 22.31
33-9011	Animal Control Wrks	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$18,314	\$6.3 - 10.57
33-9021	Private Detectives/Investigators	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$42,344	\$10.11 - 26.89
33-9031	Gaming Surv. Officers & Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
33-9032	Security Guards	430	430	0	0.00%	<5	10	10	Short-term on-the-job training	\$20,435	\$7.97 - 10.8
33-9091	Crossing Guards	130	140	10	7.69%	<5	10	10	Short-term on-the-job training	\$20,961	\$8.82 - 10.59
33-9099	Protective Service Wrks/All Other	230	230	0	0.00%	<5	30	30	Short-term on-the-job training	\$18,598	\$6.48 - 9.58
35-0000	Food Preparation & Serving Occupations	16,450	16,890	440	2.67%	220	800	1,020		\$16,702	\$6.36 - 8.98
35-1011	Chefs/Head Cooks	230	240	10	4.35%	<5	10	10	Postsecondary vocational training	\$26,597	\$10 - 15.52
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrks	940	970	30	3.19%	10	20	30	Work experience in a related occupation	\$23,876	\$8.75 - 13.39
35-2011	Cooks/Fast Food	840	850	10	1.19%	<5	30	30	Short-term on-the-job training	\$13,656	\$5.86 - 6.94
35-2012	Cooks/Institution/Cafeteria	620	610	-10	-1.61%	<5	30	30	Long-term on-the-job training	\$21,038	\$8.99 - 11.3
35-2013	Cooks/Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
35-2014	Cooks/Restaurant	880	910	30	3.41%	10	40	50	Long-term on-the-job training	\$18,980	\$7.68 - 10.45
35-2015	Cooks/Short Order	600	610	10	1.67%	10	20	30	Short-term on-the-job training	\$17,355	\$7.05 - 9.48
35-2021	Food Prep Wrks	1,130	1,160	30	2.65%	20	50	70	Short-term on-the-job training	\$17,085	\$7.18 - 9.25
35-3011	Bartenders	1,840	1,880	40	2.17%	20	70	90	Short-term on-the-job training	\$16,880	\$6.98 - 8.39
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	3,240	3,370	130	4.01%	70	180	250	Short-term on-the-job training	\$14,782	\$6.03 - 8.04
35-3022	Cntr Atts/Cafeter/Fd Conc/Coff Shop	530	540	10	1.89%	10	60	70	Short-term on-the-job training	\$16,717	\$7.08 - 8.58
35-3031	Waiters/Waitresses	3,300	3,400	100	3.03%	50	190	240	Short-term on-the-job training	\$15,646	\$6.01 - 7.97
35-3041	Food Servers/Nonrestaurant	250	260	10	4.00%	<5	10	10	Short-term on-the-job training	\$17,563	\$7.34 - 9.69
35-9011	Dining Rm/Cafeter Atts/Bar Helpers	610	610	0	0.00%	<5	30	30	Short-term on-the-job training	\$15,567	\$6.4 - 8.48
35-9021	Dishwashers	930	940	10	1.08%	10	50	60	Short-term on-the-job training	\$14,516	\$6.14 - 7.86
35-9031	Hosts Rest/Lounge/Coff Shop	360	370	10	2.78%	10	10	20	Short-term on-the-job training	\$16,172	\$6.27 - 8.74
35-9099	Food Prep/Serving Rel Wrks/AO	170	170	0	0.00%	<5	10	10	Short-term on-the-job training	\$17,866	\$7.54 - 8.61
37-0000	Build & Grounds Cleaning/Maint Occs	5,570	5,680	110	1.97%	50	110	160		\$21,159	\$7.85 - 11.96
37-1011	F-L Sups/Mgrs Hskpng/Janitr Wrks	250	250	0	0.00%	<5	10	10	Work experience in a related occupation	\$31,097	\$11.84 - 17.7
37-1012	F-L Sups/Mgrs Land/Lawn/Grounds Wrks	80	90	10	12.50%	<5	<5	<5	Work experience in a related occupation	\$31,440	\$11.33 - 19.36
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	2,860	2,900	40	1.40%	20	50	70	Short-term on-the-job training	\$21,870	\$8.33 - 12.45
37-2012	Maids/Housekpng Cleaners	1,410	1,440	30	2.13%	10	30	40	Short-term on-the-job training	\$17,152	\$7.13 - 9.37
37-2021	Pest Control Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
37-3011	Landscaping/Grndskpng Wrks	880	900	20	2.27%	10	20	30	Short-term on-the-job training	\$20,855	\$7.82 - 12.03
37-3012	Pesticide Hndlr/Sprays/Apps Veg	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
37-3013	Tree Trimmers/Pruners	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$36,411	\$15.88 - 20.65
37-9099 ⁽⁷⁾	Bldg/Grnds Cleanng/Maint Wrks AO	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,019	\$8.54 - 11.13
39-0000	Personal Care and Service Occupations	4,160	4,290	130	3.13%	60	100	160		\$19,062	\$7.11 - 10.36
39-1011	Gaming Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*

Occupational Projections for West Central Wisconsin, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
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39-1021	F-L Sups/Mgrs of Persnl Serv Wrkrs	140	150	10	7.14%	<5	<5	<5	Work experience in a related occupation	\$30,399	\$10.56 - 18.15
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-2021	Nonfarm Animal Caretakers	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$16,122	\$6.25 - 8.33
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-3012	Gaming/Sports Book Writers & Runners	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-3021	Motion Picture Projectionists	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$13,312	\$5.89 - 6.92
39-3031	Ushers/Lobby Attend/Ticket Takers	100	100	0	0.00%	<5	10	10	Short-term on-the-job training	\$12,797	\$5.83 - 6.69
39-3091	Amusement/Recreation Attendants	370	370	0	0.00%	<5	10	10	Short-term on-the-job training	\$16,515	\$6.91 - 8.74
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-3093	Lockr Rm/Coatrm/Dress Rm Attend	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-3199 ⁽⁷⁾	Gaming Wrkrs/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-4021	Funeral Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-5011	Barbers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-5012	Hairdress/Hairstyl/Cosmetologists	630	640	10	1.59%	<5	10	10	Postsecondary vocational training	\$23,114	\$8.19 - 13.67
39-5092	Manicurists/Pedicurists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-5094	Skin Care Specialists	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$18,823	\$6.58 - 8.9
39-6011	Baggage Porters/Bellhops	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-6021	Tour Guides/Escorts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
39-6031	Flight Attendants	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
39-6032	Trans Atts/Ex Flight Atts/Bag Porters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
39-9011	Child Care Workers	540	560	20	3.70%	10	20	30	Short-term on-the-job training	\$16,512	\$6.68 - 8.78
39-9021	Personal/Home Care Aides	1,000	1,060	60	6.00%	30	20	50	Short-term on-the-job training	\$17,713	\$7.25 - 9.73
39-9031	Fitness Trainers/Aerobics Instruct	240	250	10	4.17%	<5	10	10	Postsecondary vocational training	\$20,107	\$7.43 - 10.21
39-9032	Recreation Wrkrs	450	450	0	0.00%	<5	10	10	Bachelor's degree	\$19,125	\$6.94 - 10.47
39-9041	Residential Advisors	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,919	\$8.89 - 12.94
39-9099	Personal Care/Service Wrkrs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
41-0000	Sales and Related Occupations	17,360	17,770	410	2.36%	200	730	930		\$25,356	\$7.15 - 13.76
41-1011	F-L Sups/Mgrs of Rtl SlS Wrkrs	1,570	1,610	40	2.55%	20	30	50	Work experience in a related occupation	\$34,009	\$11 - 19.79
41-1012	F-L Sups/Mgrs of nonRtl SlS Wrkrs	250	260	10	4.00%	10	<5	10	Work experience in a related occupation	\$59,117	\$16.92 - 33.42
41-2011	Cashiers	5,570	5,670	100	1.80%	50	360	410	Short-term on-the-job training	\$15,547	\$6.35 - 8.41
41-2012	Gaming Change/Booth Cashiers	*	*	*	*	<5	10	10	Short-term on-the-job training	*	*
41-2021	Counter/Rental Clerks	410	430	20	4.88%	10	20	30	Short-term on-the-job training	\$18,596	\$6.54 - 9.84
41-2022	Parts Salespersons	380	380	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,430	\$9.3 - 15.78
41-2031	Retail Salespersons	5,510	5,630	120	2.18%	60	220	280	Short-term on-the-job training	\$21,836	\$7.16 - 12.02

Occupational Projections for West Central Wisconsin, 2003-2005

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41-3011	Advertising Sales Agents	160	160	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$33,236	\$10.48 - 20.87
41-3021	Insurance Sales Agents	250	270	20	8.00%	10	10	20	Bachelor's degree	\$38,625	\$11.58 - 19.95
41-3031	Sec/Comm/Fin Serv Sales Agents	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$80,820	\$23.99 - 43.86
41-3041	Travel Agents	90	80	-10	-11.11%	<5	<5	<5	Postsecondary vocational training	\$24,414	\$10.05 - 13.36
41-4011	Sls Reps/Whsl/Mfg/Tech/Sci Prods	270	280	10	3.70%	<5	10	10	Moderate-term on-the-job training	\$49,755	\$16.73 - 30.69
41-4012	Sls Reps/Whsl/Mfg/Ex Tech/Sci Prod	1,690	1,770	80	4.73%	40	40	80	Moderate-term on-the-job training	\$48,927	\$15.16 - 29.22
41-9011	Demonstrators/Product Promoters	110	120	10	9.09%	<5	<5	<5	Moderate-term on-the-job training	\$25,293	\$7.93 - 13.77
41-9021	Real Estate Brokers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
41-9022	Real Estate Sales Agents	80	80	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$51,464	\$12.65 - 30.77
41-9031	Sales Engineers	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$76,780	\$24.53 - 35.61
41-9041	Telemarketers	280	280	0	0.00%	<5	10	10	Short-term on-the-job training	\$19,792	\$7.94 - 10.62
41-9091	Door Sales/News/St Vndrs/Rel Wkrs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
41-9099	Sales/Related Wkrs/All Other	330	340	10	3.03%	10	10	20	Moderate-term on-the-job training	\$31,021	\$8.64 - 18.59
43-0000	Office/Administrative Support Occupations	26,510	26,880	370	1.40%	180	650	830		\$25,451	\$9.21 - 14.21
43-1011	F-L Sups/Mgrs-Ofc/Admin Sup Wkrs	1,550	1,560	10	0.65%	10	30	40	Work experience in a related occupation	\$38,659	\$12.13 - 22.26
43-2011	Switchboard Oprs/Incl Answrng Srvc	260	260	0	0.00%	<5	10	10	Short-term on-the-job training	\$20,745	\$8.29 - 11.53
43-2021	Telephone Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-2099	Communications Eqpmnt Oprs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-3011	Bill/Account Collectors	250	270	20	8.00%	10	10	20	Short-term on-the-job training	\$25,085	\$9.77 - 13.85
43-3021	Billing/Posting Clerks/Machn Oprs	580	580	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$25,445	\$10.24 - 13.72
43-3031	Bookkeep/Account/Auditing Clerks	2,410	2,410	0	0.00%	<5	40	40	Moderate-term on-the-job training	\$25,215	\$9.71 - 14.11
43-3041	Gaming Cage Wkrs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-3051	Payroll/Timekeeping Clerks	270	270	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,736	\$10.56 - 16.11
43-3061	Procurement Clerks	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,957	\$11.33 - 14.94
43-3071	Tellers	910	940	30	3.30%	20	50	70	Short-term on-the-job training	\$19,687	\$7.84 - 10.34
43-4011	Brokerage Clerks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
43-4021	Correspondence Clerks	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$29,889	\$11.59 - 16.58
43-4031	Court/Municipal/License Clerks	180	180	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,049	\$9.63 - 11.06
43-4041	Credit Authorizers/Checkers/Clerks	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$30,061	\$9.07 - 20.87
43-4051	Customer Service Reps	1,870	1,970	100	5.35%	50	30	80	Moderate-term on-the-job training	\$27,788	\$9.62 - 16.22
43-4061	Eligibility Interviewers/Gov't Progrms	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,550	\$13.22 - 17.13
43-4071	File Clerks	260	260	0	0.00%	<5	10	10	Short-term on-the-job training	\$19,756	\$8.02 - 10.85
43-4081	Hotel/Motel/Resort Desk Clerks	270	270	0	0.00%	<5	10	10	Short-term on-the-job training	\$17,066	\$7.39 - 8.86
43-4111	Interviewers/Ex Eligibility/Loan	180	180	0	0.00%	<5	10	10	Short-term on-the-job training	\$22,663	\$9.39 - 12.48
43-4121	Library Assts/Clerical	230	240	10	4.35%	<5	10	10	Short-term on-the-job training	\$21,501	\$8.67 - 12
43-4131	Loan Interviewers/Clerks	170	170	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,399	\$10.78 - 14.27
43-4141	New Accounts Clerks	150	160	10	6.67%	<5	<5	<5	Work experience in a related occupation	\$23,704	\$9.88 - 12.87
43-4151	Order Clerks	400	490	90	22.50%	40	10	50	Short-term on-the-job training	\$23,933	\$9.08 - 13.37

Occupational Projections for West Central Wisconsin, 2003-2005

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43-4161	Human Res Assts/Ex Pay/Tmkpng	210	210	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$30,409	\$11.71 - 16.98
43-4171	Receptionists/Info Clerks	1,420	1,470	50	3.52%	20	40	60	Short-term on-the-job training	\$19,741	\$7.84 - 10.97
43-4181	Res/Trans Ticket Agnts/Travl Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-4999 ⁽⁷⁾	Fin/Info/Record Clerks/All Other	230	230	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$27,472	\$9.12 - 15.77
43-5011	Cargo/Freight Agents	30	40	10	33.33%	<5	<5	<5	Moderate-term on-the-job training	\$25,972	\$8.21 - 15.89
43-5021	Couriers/Messengers	110	110	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$19,732	\$7.45 - 10.69
43-5031	Police/Fire/Ambulance Dispatchers	110	110	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,559	\$14.86 - 19.63
43-5032	Disp/Ex Police/Fire/Ambulance	180	190	10	5.56%	<5	<5	<5	Moderate-term on-the-job training	\$32,902	\$12.55 - 19.23
43-5041	Meter Readers/Utilities	70	60	-10	-14.29%	<5	<5	<5	Short-term on-the-job training	\$33,155	\$11.29 - 19.81
43-5051	Postal Service Clerks	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$39,585	\$18.08 - 20.42
43-5052	Postal Service Mail Carriers	470	460	-10	-2.13%	<5	10	10	Short-term on-the-job training	\$38,427	\$15.47 - 21.31
43-5053	PS Mail Sort/Proc/Proc Machn Oprs	310	300	-10	-3.23%	<5	10	10	Short-term on-the-job training	\$35,204	\$14.85 - 19.94
43-5061	Production/Plan/Expediting Clerks	430	440	10	2.33%	10	10	20	Short-term on-the-job training	\$33,303	\$12.68 - 19.32
43-5071	Shipping/Receiving/Traffic Clerks	1,120	1,170	50	4.46%	30	20	50	Short-term on-the-job training	\$26,690	\$9.99 - 15.43
43-5081	Stock Clerks/Order Fillers	2,260	2,260	0	0.00%	<5	110	110	Short-term on-the-job training	\$20,553	\$7.63 - 11.8
43-5111	Weigh/Meas/Check/Sample/Rcrdkp	130	130	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,800	\$9.5 - 12.42
43-5199 ⁽⁷⁾	Matrl Rec/Sched/Disp/Dist Wrks/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
43-6011	Executive Secretaries/Admin Assts	1,770	1,770	0	0.00%	<5	30	30	Moderate-term on-the-job training	\$28,740	\$10.72 - 16.38
43-6012	Legal Secretaries	200	200	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$26,647	\$10.33 - 15.48
43-6013	Medical Secretaries	300	310	10	3.33%	<5	10	10	Postsecondary vocational training	\$24,261	\$10.22 - 12.97
43-6014	Secretaries/Ex Legal/Medical/Exec	2,450	2,410	-40	-1.63%	<5	40	40	Moderate-term on-the-job training	\$25,125	\$10.15 - 13.76
43-9011	Computer Oprs	160	150	-10	-6.25%	<5	<5	<5	Moderate-term on-the-job training	\$30,459	\$9.91 - 16.9
43-9021	Data Entry Keyers	290	290	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$22,312	\$9.26 - 12.2
43-9022	Word Processors/Typists	230	210	-20	-8.70%	<5	10	10	Moderate-term on-the-job training	\$24,146	\$9.48 - 13.64
43-9031	Desktop Publishers	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$31,955	\$10.39 - 16.91
43-9041	Ins Claims/Policy Processng Clerks	270	280	10	3.70%	<5	<5	<5	Moderate-term on-the-job training	\$24,926	\$9.6 - 14.32
43-9051	Mail Clerks/Mail Machn Oprs/Ex P S	130	130	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,639	\$8.51 - 10.99
43-9061	Office Clerks/General	2,780	2,810	30	1.08%	20	60	80	Short-term on-the-job training	\$21,285	\$8.12 - 12.24
43-9071	Office Machn Oprs/Ex Computer	80	70	-10	-12.50%	<5	<5	<5	Short-term on-the-job training	\$23,213	\$9.07 - 12.97
43-9081	Proofreaders/Copy Markers	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$21,368	\$8.26 - 11.96
43-9111	Statistical Assts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
43-9999 ⁽⁷⁾	Sec/Admn Asst/Othr Offc Sup Wrks/AO	310	310	0	0.00%	<5	10	10	Short-term on-the-job training	\$30,147	\$9.72 - 14.76
45-0000	Farming/Fishing/Forestry Occs	240	250	10	4.17%	<5	10	10		\$25,189	\$9.51 - 13.94
45-1011	F-L Sups/Mgrs Farm/Fish/Forest Wkrs	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
45-1012	Farm Labor Contractors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
45-2011	Ag Inspectors	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$35,472	\$14.96 - 19.81
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-2041	Graders/Sorters/Ag Prod	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*

Occupational Projections for West Central Wisconsin, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
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45-2091	Ag Equipment Oprs	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$21,123	\$9.45 - 10.69
45-2092	Farm/Labrrs/Crop/Nursry/Greenhs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
45-2093	Farmwrkrs/Farm/Ranch Animals	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,237	\$9.27 - 12.62
45-4011	Forest/Conservation Wrkrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-4022	Logging Equipment Oprs	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$24,197	\$10.57 - 12.96
45-4023	Log Graders/Scalars	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
45-9099 ⁽⁷⁾	Farming/Fishing/Forestry Wrkrs/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-0000	Construction and Extraction Occupations	7,570	7,820	250	3.30%	120	140	260		\$35,119	\$12.46 - 20.85
47-1011	F-L Sup/Mgr Const Trades/Extr Wrkrs	550	570	20	3.64%	10	10	20	Work experience in a related occupation	\$45,497	\$17.14 - 25.58
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2021	Brickmasons/Blockmasons	200	210	10	5.00%	<5	<5	<5	Long-term on-the-job training	\$46,533	\$19.35 - 26.46
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2031	Carpenters	1,540	1,600	60	3.90%	30	20	50	Long-term on-the-job training	\$33,082	\$12.87 - 17.74
47-2041	Carpet Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2042	Floor Layrs/Ex Carpet/Wood/Tiles	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$38,486	\$17.69 - 20.69
47-2043	Floor Sanders/Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2044	Tile/Marble Settrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2051	Cement Masons and Concrete Finishers	250	260	10	4.00%	10	10	20	Moderate-term on-the-job training	\$36,484	\$14.51 - 20.36
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2061	Construction Laborers	840	860	20	2.38%	10	10	20	Moderate-term on-the-job training	\$31,183	\$12.13 - 17.46
47-2071	Pavng/Surfacng/Tampng Equip Oprs	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,017	\$11.28 - 17.94
47-2072	Pile-Driver Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2073	Opng Engrns/Other Con Eqp Oprs	450	460	10	2.22%	10	10	20	Moderate-term on-the-job training	\$39,259	\$15.41 - 21.41
47-2081	Drywall/Ceiling Tile Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2082	Tapers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2111	Electricians	730	760	30	4.11%	20	10	30	Long-term on-the-job training	\$44,311	\$16.95 - 26.36
47-2121	Glaziers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2130	Insulation Wrkrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2141	Painters/Const/Maint	220	230	10	4.55%	<5	<5	<5	Moderate-term on-the-job training	\$34,888	\$13.71 - 19.89
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2151	Pipelayers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-2152	Plumbers/Pipefitters/Steamfitters	570	590	20	3.51%	10	10	20	Long-term on-the-job training	\$41,443	\$13.75 - 26.04
47-2161	Plasterers/Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2171	Reinforcing Iron/Rebar Wrkrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-2181	Roofers	180	190	10	5.56%	<5	<5	<5	Moderate-term on-the-job training	\$30,801	\$10.68 - 18.46
47-2211	Sheet Metal Wrkrs	380	400	20	5.26%	10	10	20	Moderate-term on-the-job training	\$31,125	\$10.7 - 18.23
47-2221	Structural Iron/Steel Wrkrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*

Occupational Projections for West Central Wisconsin, 2003-2005

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47-3011	Helpers-Brick/Block/Stone/Tile/Marble	80	80	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$31,432	\$11.21 - 19.5
47-3012	Helpers--Carpenters	90	100	10	11.11%	<5	<5	<5	Short-term on-the-job training	\$20,859	\$9 - 11.06
47-3013	Helpers--Electricians	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
47-3014	Helpers--Paint/Paper/Plaster/Stucco	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
47-3015	Helpers--Pipelay/Plumb/Pipe/Steam	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,467	\$9.25 - 12.9
47-3016	Helpers--Roofers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
47-3019	Helpers/Const Trades/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
47-4011	Const/Bldg Inspectors	70	70	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$45,634	\$19.49 - 25.55
47-4021	Elevator Installers/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
47-4031	Fence Erectors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4041	Hazardous Materials Removal Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4051	Highway Maint Wrks	390	390	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$25,011	\$9.78 - 14.63
47-4061	Rail-Track Layng/Maint Eqpmnt Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4071	Septic Tnk Srvcs/Sewer Pipe Clnrs	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,144	\$14.5 - 16.98
47-4091	Segmental Pavers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-4999 ⁽⁷⁾	Const Trades/Rel Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-5021	Earth Drillers/Ex Oil/Gas	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,776	\$15.8 - 19.9
47-5031	Explsv/Ordnc Handling Exprts/Blastrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-5040 ⁽⁸⁾	Mining Machine Oprs	0	0	0	0.00%	<5	<5	<5		*	*
47-5041 ⁽⁸⁾	Continuous Mining Machine Operators	(8)	(8)	(8)	(8)	(8)	(8)	(8)		*	*
47-5042 ⁽⁸⁾	Mine Cutting/Channeling Machine Oprs	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Moderate-term on-the-job training	*	*
47-5051	Rock Splitters/Quarry	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
47-5081	Helpers--Extraction Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
49-0000	Installation/Maint/Repair Occupations	6,560	6,700	140	2.13%	70	150	220		\$31,912	\$11.66 - 18.07
49-1011	F-L Supvsrs/Mgrs of Mechs/Inst/Rep	540	550	10	1.85%	10	10	20	Work experience in a related occupation	\$47,653	\$16.09 - 27.72
49-2011	Computer/ATM/Offc Machn Reprrs	90	90	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$30,726	\$12.07 - 17.5
49-2021	Radio Mechanics	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2022	Telecm Eqp Inst/Reprrs/Ex Line Inst	160	160	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$39,600	\$16.55 - 21.97
49-2091	Avionics Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2092	Elec Motor/Power Tool/Rel. Reprrs	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$42,709	\$14.49 - 22.79
49-2093	Elec Installers/Repairers/Trans Eqp	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2094	Elec Repairers/Comm/Ind Equip	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$32,684	\$13.04 - 17.98
49-2095	Elec Reprrs/Powerhse/Substrn/Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2096	Elec Equip Instlrs/Reprrs/Motor Veh	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2097	Elec Home Ent Eqpmnt Inst/Reprrs	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$21,468	\$7.79 - 13.04
49-2098	Security/Fire Alarm Systems Inst	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-2099 ⁽⁷⁾	Elec Equip Mechs/Instlrs/Reprrs/AO	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*
49-3011	Aircraft Mechanics/Service Techs	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$35,568	\$14.44 - 20.26

Occupational Projections for West Central Wisconsin, 2003-2005

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49-3021	Automotive Body/Related Repairers	320	330	10	3.13%	<5	10	10	Long-term on-the-job training	\$30,064	\$11.23 - 17.29
49-3022	Automotive Glass Installers/Reprers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-3023	Automotive Service Techs/Mechanics	1,200	1,210	10	0.83%	<5	30	30	Postsecondary vocational training	\$28,971	\$11 - 16.96
49-3031	Bus/Truck Mechs/Diesel Engrn Spec	350	360	10	2.86%	10	10	20	Postsecondary vocational training	\$32,722	\$13.24 - 17.92
49-3041	Farm Equipment Mechanics	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$27,917	\$10.2 - 16.08
49-3042	Mobile Hvy Eqpmnt Mechs/Ex Engns	110	110	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$35,156	\$14.43 - 19.64
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-3051	Motorboat Mechanics	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$27,778	\$10.98 - 15.95
49-3052	Motorcycle Mechanics	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$25,472	\$10.59 - 13.74
49-3053	Outdr Powr Eqp/Othr Sm Engrn Mchs	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$23,984	\$8.84 - 14.96
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-3092	Recreational Vehicle Service Techs	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$25,027	\$11.25 - 13.57
49-3093	Tire Repairers/Changers	110	120	10	9.09%	<5	10	10	Short-term on-the-job training	\$21,617	\$8.39 - 11.77
49-3099 ⁽⁷⁾	Veh/Mbl Eqp Mechs/Instl/Reprers/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9011	Mechanical Door Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9012	Cntrl/Valve Inst/Rep/Ex Mechn Door	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$46,329	\$18.55 - 26.59
49-9021	Heating/AC/Refrig Mechs/Instlrs	210	230	20	9.52%	10	<5	10	Long-term on-the-job training	\$31,297	\$10.44 - 19.47
49-9031	Home Appliance Repairers	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$26,193	\$10.18 - 15
49-9041	Industrial Machnry Mechanics	260	270	10	3.85%	<5	10	10	Long-term on-the-job training	\$35,820	\$15.13 - 19.22
49-9042	Maint/Repair Wrks/General	1,610	1,650	40	2.48%	20	30	50	Long-term on-the-job training	\$30,336	\$11.85 - 16.99
49-9043	Maint Wrks/Machnry	*	*	*	*	<5	10	10	Long-term on-the-job training	*	*
49-9044	Millwrights	90	100	10	11.11%	<5	<5	<5	Long-term on-the-job training	\$34,802	\$15.16 - 17.59
49-9045	Refractory Mtrls Reprs/Ex Brickmsns	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9051	Elec Power-Line Installrs/Repairers	120	130	10	8.33%	<5	<5	<5	Long-term on-the-job training	\$51,111	\$23.47 - 26.67
49-9052	Telecomm Line Installers/Reprers	130	130	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$34,067	\$11.43 - 19.16
49-9062	Medical Equipment Repairers	20	20	0	0.00%	<5	<5	<5	Associate degree	\$47,088	\$20.47 - 25.34
49-9063	Musical Instr Repairers/Tuners	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-9069	Precision Inst/Eqpmnt Repairers/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
49-9091	Coin/Vend/Amuse Machn Serv/Repr	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,350	\$10.04 - 14.15
49-9092	Commercial Divers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9093	Fabric Menders/Ex Garment	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9094	Locksmiths/Safe Repairers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,573	\$10.73 - 16.58
49-9095	Manufactrd Bldg/Mobile Home Inst	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$39,781	\$12.28 - 17.38
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
49-9097	Signal/Track Switch Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
49-9098	Helpers--Install/Maint/Repair Wrks	190	200	10	5.26%	<5	10	10	Short-term on-the-job training	\$23,352	\$9.32 - 12.82
49-9099	Installation/Maint/Repair Wrks/AO	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,819	\$7.45 - 18.63

Occupational Projections for West Central Wisconsin, 2003-2005

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51-0000	Production Occupations	21,730	21,750	20	0.09%	10	510	520		\$28,016	\$10.03 - 15.84
51-1011	F-L Sups/Mgrs of Prdn/Operat Wrks	1,410	1,450	40	2.84%	20	30	50	Work experience in a related occupation	\$46,083	\$15.88 - 26.33
51-2011	Aircraft Struct/Surf/Riggng/Sys Assembler	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-2021	Coil Winders/Tapers/Finishers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-2022	Electrical/Electronic Equipmnt Assembler	580	570	-10	-1.72%	<5	10	10	Short-term on-the-job training	\$24,222	\$8.27 - 14.51
51-2023	Electromechanical Equipmnt Assembler	120	110	-10	-8.33%	<5	<5	<5	Short-term on-the-job training	\$42,938	\$12.64 - 29.37
51-2031	Engine/Other Machn Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-2041	Structural Metal Fabricators/Fitters	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	*
51-2091	Fiberglass Laminators/Fabricators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-2092	Team Assemblers	3,340	3,280	-60	-1.80%	<5	90	90	Moderate-term on-the-job training	\$24,751	\$9.83 - 13.56
51-2093	Timng Device Assemb/Adjustrs/Calibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-2099	Assemblers/Fabricators/All Other	250	240	-10	-4.00%	<5	10	10	Moderate-term on-the-job training	\$23,883	\$9.48 - 13.32
51-3011	Bakers	260	270	10	3.85%	10	10	20	Long-term on-the-job training	\$19,710	\$7.76 - 10.84
51-3021	Butchers/Meat Cutters	*	*	*	*	<5	10	10	Long-term on-the-job training	*	*
51-3022	Meat/Poultry/Fish Cutters/Trimmers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-3023	Slaughters/Meat Packers	*	*	*	*	20	20	40	Moderate-term on-the-job training	*	*
51-3091	Food/Tobac Bake/Dry/Mchn Op/Tndrs	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$27,227	\$10.55 - 14.75
51-3092	Food Batchmakers	290	300	10	3.45%	<5	10	10	Short-term on-the-job training	\$28,049	\$10.27 - 16.57
51-3093	Food Cooking Machn Oprs/Tendrs	120	120	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$30,610	\$14.22 - 17.11
51-3099 ⁽⁷⁾	Food Processing Wrksr/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-4011	Comp-Cntrlrld Mahn Tool Op/M/P	450	470	20	4.44%	10	10	20	Moderate-term on-the-job training	\$36,155	\$12.74 - 21.32
51-4012	Num Tool/Procss Cntrl Programmr	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$40,988	\$15.85 - 23.46
51-4021	Extrud/Draw Mchn Set/Op/Tndrs/M/P	290	300	10	3.45%	10	10	20	Moderate-term on-the-job training	\$25,391	\$10.05 - 14.12
51-4022	Forge Machn Set/Op/Tndrs/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-4023	Roll Machn Set/Op/Tndrs/M/P	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,804	\$9.42 - 16.92
51-4031	Cut/Punch/Press Set/Op/Tndrs/M/P	720	750	30	4.17%	10	20	30	Moderate-term on-the-job training	\$27,625	\$10.81 - 15.78
51-4032	Drill/Bore Tool Set/Op/Tndrs/M/P	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,058	\$10.65 - 15.01
51-4033	Grind/Lap/Polish/Buff Set/Op/Tnd/M/P	210	210	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,933	\$9.71 - 16.29
51-4034	Lathe/Turn Tool Set/Op/Tndrs/M/P	150	150	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,433	\$11.92 - 17.03
51-4035	Mill/Plane Mchn Set/Op/Tndrs/M/P	40	50	10	25.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,946	\$12.88 - 16.73
51-4041	Machinists	720	740	20	2.78%	10	20	30	Long-term on-the-job training	\$33,496	\$13.58 - 18.33
51-4051	Metal-Refining Furnace Ops/Tendrs	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,996	\$12.17 - 19.59
51-4052	Pourers/Casters/Metal	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,686	\$12.59 - 17.18
51-4061	Model Makers/Metal/Plastic	10	20	10	100.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,253	\$11.04 - 23.72
51-4062	Patternmakers/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-4071	Foundry Mold/Coremakers	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,766	\$12.42 - 15.65
51-4072	Mold/Core/Cast Set/Op/Tndrs/M/P	410	440	30	7.32%	10	10	20	Moderate-term on-the-job training	\$24,946	\$9.82 - 13.22
51-4081	Mult Mchn Tool Set/Op/Tndrs/M/P	330	350	20	6.06%	10	10	20	Moderate-term on-the-job training	\$29,291	\$12.2 - 16.36

Occupational Projections for West Central Wisconsin, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-4111	Tool/Die Makers	360	370	10	2.78%	<5	10	10	Long-term on-the-job training	\$43,249	\$16.97 - 24.65
51-4121	Welders/Cutters/Solderers/Brazers	800	840	40	5.00%	20	20	40	Postsecondary vocational training	\$31,066	\$12.81 - 16.93
51-4122	Weld/Solder/Braze Mchn Set/Op/Tnd	140	140	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,411	\$11.08 - 15.85
51-4191	Heat Treat Eqp Set/Op/Tndrs/M/P	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,739	\$10.88 - 17.73
51-4192	Lay-Out Wrks/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-4193	Plate/Coat Mchn Set/Op/Tndrs/M/P	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,453	\$8.99 - 12.65
51-4194	Tool Grinders/Filers/Sharpeners	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$23,129	\$8.67 - 13.13
51-4199	Metal Wrks/Plastic Wrks/All Other	80	90	10	12.50%	<5	<5	<5	Moderate-term on-the-job training	\$28,612	\$12.02 - 15.69
51-5011	Bindery Wrks	170	180	10	5.88%	<5	10	10	Moderate-term on-the-job training	\$33,727	\$9.51 - 24.94
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-5021	Job Printers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-5022	Prepress Techs/Wrks	130	120	-10	-7.69%	<5	<5	<5	Long-term on-the-job training	\$46,739	\$14.81 - 32.6
51-5023	Printing Machn Oprs	370	380	10	2.70%	<5	10	10	Moderate-term on-the-job training	\$29,986	\$9.43 - 16.61
51-5099 ⁽⁷⁾	Printing Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6011	Laundry/Dry-Cleaning Wrks	260	260	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$18,903	\$7.86 - 10.3
51-6021	Pressers/Textile/Garment/Rel Mtrls	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,235	\$7.32 - 9.26
51-6031	Sewing Machine Oprs	270	200	-70	-25.93%	<5	<5	<5	Moderate-term on-the-job training	\$21,233	\$9.2 - 11.12
51-6041	Shoe/Leather Wrks/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-6042	Shoe Machine Oprs/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6051	Sewers/Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-6052	Tailors/Dressmakrs/Custom Sewrs	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$19,751	\$8.02 - 10.47
51-6062	Textile Cuttng Mchn Set/Ops/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6063	Textl Knit/Weav Mchn Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-6064	Textl Wind/Twist/Draw Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6091	Extr/Form Set/Op/Tnd/Syn/Glss Fibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-6092	Fabric/Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-6093	Upholsterers	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$28,539	\$10.99 - 16.77
51-6099	Textile/Apparel/Furnishng Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-7011	Cabinetmakers/Bench Carpenters	260	250	-10	-3.85%	<5	10	10	Long-term on-the-job training	\$24,842	\$9.67 - 13.38
51-7021	Furniture Finishers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$20,811	\$9.2 - 11.16
51-7031	Model Makers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-7032	Patternmakers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-7041	Saw Machn Set/Op/Tendrs/Wood	170	170	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$25,073	\$9.13 - 15.21
51-7042	Woodwrk Mchn Set/Op/Tndrs/Ex Saw	330	330	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$22,119	\$9.36 - 11.83
51-7099	WoodWrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-8010 ⁽⁸⁾	Pwr Plnt Oprs/Distributrs/Dispatchrs	50	50	0	0.00%	<5	<5	<5		*	*
51-8011 ⁽⁸⁾	Nuclear Power Reactor Operators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	*
51-8012 ⁽⁸⁾	Power Distributors and Dispatchers	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	*

Occupational Projections for West Central Wisconsin, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-8013 ⁽⁸⁾	Power Plant Operators	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	\$32,824	\$13.61 - 18.32
51-8021	Stationary Engineers/Boiler Oprs	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$34,839	\$15.16 - 18.38
51-8031	Watr/Lqd Waste Trtmnt Plant/Sys Op	140	140	0	0.00%	<5	10	10	Long-term on-the-job training	\$35,902	\$15.05 - 19.87
51-8091	Chemical Plant/System Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-8092	Gas Plant Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-8093	Ptrol Pump Sys Op/Refinery Op/Gaug	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-8099	Plant/System Oprs/All Other	20	30	10	50.00%	<5	<5	<5	Long-term on-the-job training	\$16,895	\$5.9 - 6.96
51-9011	Chemical Equipment Oprs/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9012	Sep/Filtr/Clarify/Prec/Still Set/Op/Tnd	120	130	10	8.33%	<5	<5	<5	Moderate-term on-the-job training	\$30,441	\$11.07 - 15.21
51-9021	Crush/Grnd/Polish Set/Op/Tndrs	100	100	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,742	\$11.81 - 16.69
51-9022	Grinding/Polishing Wrkrs/Hand	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,418	\$10.95 - 18.5
51-9023	Mix/Blend Machn Settrs/Oprs/Tendrs	160	160	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,133	\$10.86 - 14.23
51-9031	Cutters/Trimmers/Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-9032	Cut/Slice Machn Settrs/Oprs/Tendrs	220	210	-10	-4.55%	<5	10	10	Moderate-term on-the-job training	\$23,049	\$9.49 - 12.22
51-9041	Extr/Form/Press/Compct Set/Op/Tnd	150	150	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,402	\$10.52 - 14.46
51-9051	Furnce/Kln/Ov/Drier/Kettle Op/Tndrs	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,736	\$11.63 - 15.74
51-9061	Inspect/Test/Sort/Sample/Weighers	790	810	20	2.53%	10	20	30	Moderate-term on-the-job training	\$27,929	\$10.97 - 15.01
51-9071	Jewel/Precious Stone/Metal Wrkrs	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$29,523	\$10.9 - 16.47
51-9081	Dental Lab Techs	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$41,187	\$12.56 - 18.68
51-9082	Medical Appliance Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-9083	Ophthalmic Lab Techs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9111	Packagng/Filling Machn Oprs/Tendrs	1,080	1,110	30	2.78%	20	20	40	Short-term on-the-job training	\$27,366	\$10.27 - 16.22
51-9121	Coat/Paint/Spray Mchn Set/Op/Tndrs	290	300	10	3.45%	10	10	20	Moderate-term on-the-job training	\$27,828	\$10.77 - 15.79
51-9122	Painters/Trans Equipment	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,307	\$12.08 - 17.1
51-9123	Painting/Coating/Decorating Wrkrs	100	80	-20	-20.00%	<5	<5	<5	Short-term on-the-job training	\$23,864	\$7.13 - 13.98
51-9131	Photographic Process Wrkrs	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$16,158	\$7.08 - 8.61
51-9132	Photographic Processng Mchn Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
51-9141 ⁽⁸⁾	Semiconductor Processors	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Associate degree	*	*
51-9191	Cementng/Glung Mchn Oprs/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9192	Cln/Wash/Mtl Picklng Eqp Ops/Tndrs	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,931	\$12.1 - 14.97
51-9193	Coolng/Freezng Eqpmnt Ops/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9194	Etchers/Engravers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*
51-9195	Moldrs/Shaprs/Castrs/Ex Mtl/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9196	Paper Gds Machn Settrs/Oprs/Tndrs	340	350	10	2.94%	10	10	20	Moderate-term on-the-job training	\$30,511	\$11.97 - 17.64
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
51-9198	Helpers--Production Wrkrs	960	980	20	2.08%	10	30	40	Short-term on-the-job training	\$22,133	\$8.39 - 12.58
51-9199 ⁽⁸⁾	Production Workers, All Other	490	500	10	2.04%	<5	10	10	Moderate-term on-the-job training	\$26,708	\$10.02 - 15.89
53-0000	Trans/Material Moving Occupations	13,890	14,220	330	2.38%	170	310	480		\$26,419	\$8.74 - 15.37

Occupational Projections for West Central Wisconsin, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
53-1011	Aircraft Cargo Handling Supvrs	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
53-1021	F-L Sups/Mgrs Help/Lab/Matrl Movrs	270	280	10	3.70%	10	10	20	Work experience in a related occupation	\$39,367	\$12.97 - 24.24
53-1031	F-L Sups/Mgrs Trans/Matrl-Mov Oprs	340	350	10	2.94%	10	10	20	Work experience in a related occupation	\$47,563	\$15.49 - 24.81
53-2011	Airline Pilots/Copilots/Flight Engins	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
53-2012	Commercial Pilots	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$75,043	
53-2021	Air Traffic Controllers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*
53-2022 ⁽⁸⁾	Airfield Operations Specialists	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	*
53-3011	Ambulance Drivers/Atts/Ex EMTs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-3021	Bus Drivers/Transit/Intercity	190	190	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$24,056	\$8.27 - 15.07
53-3022	Bus Drivers/School	650	660	10	1.54%	10	10	20	Short-term on-the-job training	\$23,611	\$9.49 - 13.28
53-3031	Driver/Sales Wrks	400	410	10	2.50%	<5	10	10	Short-term on-the-job training	\$24,347	\$8.77 - 14.4
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,890	2,970	80	2.77%	40	40	80	Moderate-term on-the-job training	\$33,761	\$13 - 19.36
53-3033	Truck Drivers/Light or Delivery Svcs	1,500	1,550	50	3.33%	20	10	30	Short-term on-the-job training	\$26,149	\$8.57 - 15.37
53-3041	Taxi Drivers/Chauffeurs	190	200	10	5.26%	10	<5	10	Short-term on-the-job training	\$16,854	\$6.98 - 9.1
53-3099	Motor Vehicle Oprs/All Other	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$16,419	\$6.08 - 8.73
53-4011	Locomotive Engineers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
53-4021	Railroad Brake/Signal/Switch Oprs	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
53-4031	Railroad Conductors/Yardmasters	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
53-5011	Sailors/Marine Oilers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-5021	Cptns/Mates/Pilots of Watr Vessels	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
53-5022	Motorboat Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-6011 ⁽⁸⁾	Bridge/Lock Tendrs	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	*
53-6021	Parking Lot Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-6031	Service Station Attendants	120	120	0	0.00%	<5	10	10	Short-term on-the-job training	\$17,802	\$7.64 - 9.62
53-6041 ⁽⁸⁾	Traffic Technicians	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	*
53-6051	Trans Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*
53-6099	Transportation Workers, All Other	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training	*	*
53-7011	Conveyor Oprs/Tendrs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-7021	Crane/Tower Oprs	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$37,294	\$14.25 - 21.47
53-7031	Dredge Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-7032	Excvtng/Loadng Mchn/Dragline Oprs	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$37,181	\$7.1 - 20.69
53-7033	Loadng Mchn Oprs/Undrgrnd Minng	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*
53-7041	Hoist/Winch Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-7051	Industrial Truck/Tractor Oprs	1,380	1,420	40	2.90%	20	30	50	Short-term on-the-job training	\$27,094	\$11.57 - 14.94
53-7061	Cleaners of Vehicles/Equipment	490	500	10	2.04%	<5	20	20	Short-term on-the-job training	\$18,531	\$6.96 - 10.54
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	2,980	3,020	40	1.34%	20	110	130	Short-term on-the-job training	\$20,460	\$7.76 - 11.3
53-7063	Machn Feeders/Offbearers	320	330	10	3.13%	<5	10	10	Short-term on-the-job training	\$21,921	\$8.43 - 12.57
53-7064	Packers/Packagers/Hand	1,530	1,580	50	3.27%	30	30	60	Short-term on-the-job training	\$19,133	\$6.61 - 11.08

Occupational Projections for West Central Wisconsin, 2003-2005

SOC Code	Occupational Title	Est. employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2003	2005	Numeric	Percent	New Jobs	Replacements	Total Openings			
53-7071	Gas Compressor/Gas Station Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-7072	Pump Oprs/Ex Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-7081	Refuse/Recyclable Mtrl Collectors	180	180	0	0.00%	<5	10	10	Short-term on-the-job training	\$20,761	\$8.94 - 11.19
53-7121	Tank Car/Truck/Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*
53-7199	Material Moving Wrksr/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*

Occupational Projections for West Central Wisconsin, 2003-2005

Notes:

- (1) **Employment** is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed or unpaid family workers.
 - (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force.
Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver.
Openings resulting from people changing employers, but staying in the same occupation are not included.
 - (3) **Total** openings are the sum of new jobs and replacements.
 - (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation.
There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
Associate Degree: This degree requires two years of full-time academic work beyond high school.
Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.
Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.
Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.
First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.
Bachelor's or higher degree, plus work experience: These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
 - (5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation.
In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
 - (6) **Hourly Wage Rate - Middle Range:** The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation.
Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.
 - (7) This code is specific to the Occupational Employment Statistics (OES) Survey and is not an official SOC code.
 - (8) 33-2020 includes employment for 33-2021 and 33-2022. Education/training and wages are shown individually, if available.
47-5040 includes employment for 47-5041 and 47-5042. Education/training and wages are shown individually, if available.
51-8010 includes employment for 51-8011, 51-8012, and 51-8013. Education/training and wages are shown individually, if available.
51-9199 includes employment for 51-9141. Education/training and wages are shown individually, if available.
53-6099 includes employment for 53-5031, 53-6011, and 53-6041. Education/training and wages are shown individually, if available.
 - (9) Depending upon the specific position and employer either a bachelor's degree or an associate degree are most common.
* Data is suppressed to preserve the confidentiality of employers
- Information is derived using the May 2003 OES Survey, 2003 QCEW and 2003 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.
- To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2003 to 2005. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

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